

Z. Bao 22-55-18-3-95-1

IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE

## Declaration and Power of Attorney

COPY OF PAPERS  
ORIGINALLY FILED  
01/10/02

O I P E

APR 02 2002

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled **Optically Controlled Switches** the specification of which was filed on May 23, 2001 as application Serial No. 09/864125.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to in this oath or declaration.

I acknowledge the duty to disclose all information known to me which is material to patentability as defined in Title 37, Code of Federal Regulations, 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

None

I hereby claim the benefit under Title 35, United States Code, 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, 112, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

None


I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint the following attorney(s) with full power of substitution and revocation, to prosecute said application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith:

Kenneth M. Brown	(Reg. No. 37590)
Donald P. Dinella	(Reg. No. 39961)
Martin I. Finston	(Reg. No. 31613)
Barry H. Freedman	(Reg. No. 26166)
Julio A. Garceran	(Reg. No. 37138)
Jimmy Goo	(Reg. No. 36528)
Stephen M. Gurey	(Reg. No. 27336)
John M. Harman	(Reg. No. 38173)
Matthew J. Hodulik	(Reg. No. 36164)
Eugene S. Indyk	(Reg. No. 30711)
Michael B. Johannesen	(Reg. No. 35557)
Irena Lager	(Reg. No. 39260)
John B. MacIntyre	(Reg. No. 41170)
Christopher N. Malvone	(Reg. No. 34866)
John F. McCabe	(Reg. No. 42854)
Michael A. Morra	(Reg. No. 28975)
Gregory J. Murgia	(Reg. No. 41209)
Neil R. Ormos	(Reg. No. 35309)
Eugene J. Rosenthal	(Reg. No. 36658)
Bruce S. Schneider	(Reg. No. 27949)
Ozer M. N. Teitelbaum	(Reg. No. 36698)
Jeffrey M. Weinick	(Reg. No. 36304)

Please address all correspondence to the Docket Administrator (Rm. 3J-219), Lucent Technologies Inc., 101 Crawfords Corner Road, Holmdel, New Jersey 07733-3030. Telephone calls should be made to John F. McCabe by dialing 908-582-6866.

Full name of 1st joint inventor: Zhenan Bao

Inventor's signature  Date Nov. 7 2001

Residence: Jersey City, Hudson County, New Jersey

Citizenship: United States of America

Post Office Address: 20 River Court #3105  
Jersey City, New Jersey, 07310

Full name of 2<sup>nd</sup> inventor: David John Bishop

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence: Summit, Union County, New Jersey

Citizenship: United States of America

Post Office Address: 7 Oak Knoll Rd  
Summit, New Jersey, 07901

3

Z. Bao 22-55-18-3-95-1

Full name of 3<sup>rd</sup> inventor: Robert Alb rt Boie

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence: Bridport, Addison County, Vermont

Citizenship: United States of America

Post Office Address: 1627 Middle Road  
Bridport, Vermont, 05734Full name of 4<sup>th</sup> inventor: Dustin W. CarrInventor's signature  Date 11-20-01

Residence: Pittstown, Hunterdon County, New Jersey

Citizenship: United States of America

Post Office Address: 4 Sunshine Drive  
Pittstown, New Jersey, 08867Full name of 5<sup>th</sup> inventor: Edwin Arthur ChandrossInventor's signature Edwin Arthur Chandross Date 6 Nov 2001

Residence: Murray Hill, Union County, New Jersey

Citizenship: United States of America

Post Office Address: 14 Hunterdon Boulevard  
Murray Hill, New Jersey, 07974Full name of 6<sup>th</sup> inventor: Peter Kian-Hoon HoInventor's signature  Date 14 Nov 2001

Residence: North Plainfield, Somerset County, New Jersey

Citizenship: Singapore

Post Office Address: 1275 Rock Avenue  
Apartment FF12  
North Plainfield, New Jersey, 07060

Z. Ba 22-55-18-3-95-1

**IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE****COPY OF PAPERS  
ORIGINALLY FILED**  
6/11/02**Declaration and Power of Attorney**OIFE  
APR 02 2002

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Martin I. Finston	(Reg. No. 31813)
Barry H. Freedman	(Reg. No. 26168)
Julio A. Garcera	(Reg. No. 37138)
Jimmy Goo	(Reg. No. 38528)
Stephen M. Gurey	(Reg. No. 27336)
John M. Harman	(Reg. No. 38173)
Matthew J. Hodulik	(Reg. No. 38164)
Eugene S. Indyk	(Reg. No. 30711)
Michael B. Johannesen	(Reg. No. 35557)
Irena Lager	(Reg. No. 39280)
John B. MacIntyre	(Reg. No. 41170)
Christopher N. Malvone	(Reg. No. 34888)
John F. McCabe	(Reg. No. 42854)
Michael A. Morra	(Reg. No. 28875)
Gregory J. Murgia	(Reg. No. 41209)
Neil R. Ormos	(Reg. No. 35309)
Eugene J. Rosenthal	(Reg. No. 38858)
Bruce S. Schneider	(Reg. No. 27949)
Ozer M. N. Teitelbaum	(Reg. No. 36698)
Jeffrey M. Weinick	(Reg. No. 36304)

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Full name of 1st joint inventor: Zhenan Bao

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence: Jersey City, Hudson County, New Jersey

Citizenship: United States of America

Post Office Address: 20 River Court #3105  
Jersey City, New Jersey, 07310

Full name of 2<sup>nd</sup> inventor: David John Bishop

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence: Summit, Union County, New Jersey

Citizenship: United States of America

Post Office Address: 7 Oak Knoll Rd  
Summit, New Jersey, 07901

Full name of 3<sup>rd</sup> inventor: Robert Albert Bui

Inventor's signature [Signature] Date 11/1/2001

Residence: Bridport, Addison County, Vermont

Citizenship: United States of America

Post Office Address: 1627 Middle Road  
Bridport, Vermont, 05734

Full name of 4<sup>th</sup> inventor: Dustin W Carr

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence: Pittstown, Hunterdon County, New Jersey

Citizenship: United States of America

Post Office Address: 4 Sunshine Drive  
Pittstown, New Jersey, 08867

Full name of 5<sup>th</sup> inventor: Edwin Arthur Chandross

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence: Murray Hill, Union County, New Jersey

Citizenship: United States of America

Post Office Address: 14 Hunterdon Boulevard  
Murray Hill, New Jersey, 07974

Full name of 6<sup>th</sup> inventor: Peter Kian-Hoon Ho

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence: North Plainfield, Somerset County, New Jersey

Citizenship: Singapore

Post Office Address: 1275 Rock Avenue  
Apartment FF12  
North Plainfield, New Jersey, 07060

Z. Ba 22-55-18-3-95-1

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PATENT AND TRADEMARK OFFICE**

**Declaration and Power of Attorney**

U.S. PATENT & TRADEMARK OFFICE  
APR 02 2002

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Full name of 1st joint inventor: Zhenan Bao

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

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Citizenship: United States of America

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Jersey City, New Jersey, 07310

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Citizenship: United States of America

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Summit, New Jersey, 07901



Full name of 3<sup>rd</sup> inventor: Robert Albert Boie

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence: Bridport, Addison County, Vermont

Citizenship: United States of America

Post Office Address: 1627 Middle Road  
Bridport, Vermont, 05734

Full name of 4<sup>th</sup> inventor: Dustin W Carr

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

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Citizenship: United States of America

Post Office Address: 4 Sunshine Drive  
Pittstown, New Jersey, 08867

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Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence: Murray Hill, Union County, New Jersey

Citizenship: United States of America

Post Office Address: 14 Hunterdon Boulevard  
Murray Hill, New Jersey, 07974

Full name of 6<sup>th</sup> inventor: Peter Kian-Hoon Ho

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence: North Plainfield, Somerset County, New Jersey

Citizenship: Singapore

Post Office Address: 1275 Rock Avenue  
Apartment FF12  
North Plainfield, New Jersey, 07060

APR 02 2002

COMMISSIONER OF PATENTS AND TRADEMARKS, BOX

Assignment

Inventor-Case No. Bao 22-55-18-3-95-1

(JFM/mH)

Stamp of the U.S. Patent and Trademark Office acknowledging receipt is requested.

In re Application Serial No. 09/864,125

Filed: 5/23/01

- Recordation Cover Sheet (duplicate)
- Assignment

- Certificate of mailing-11/20/01

PT 22 Papers mailed to Commissioner of Patents and Trademarks

FORM PTO-1595  
(Rev. 8-93)  
OMB-0651-0011

# RECORDATION FORM COVER SHEET PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

- |                       |                           |
|-----------------------|---------------------------|
| 1. Zhenan Bao         | 5. Edwin Arthur Chandross |
| 2. David John Bishop  | 6. Peter Kian-Hoon Ho     |
| 3. Robert Albert Boie |                           |
| 4. Dustin W Carr      |                           |

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> Assignment | <input type="checkbox"/> Merger         |
| <input type="checkbox"/> Security Agreement    | <input type="checkbox"/> Change of Name |
| <input type="checkbox"/> Other _____           |   |

Execution Date(s): 1-5-6-8/23/01, 2-10/22/01,  
3-3/30/01, 4-3/24/01

## 2. Name and address of receiving party(ies)

Name: Lucent Technologies Inc.

Internal Address: \_\_\_\_\_

Street Address: 600 Mountain Avenue

P.O. Box 636

City: Murray Hill State: NJ ZIP: 07974-0636

Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

### A. Patent Application No.(s)

09/864125

### B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Docket Administrator

Internal Address: Room 3J-219

Street Address: 101 Crawford Corner Road

City: Holmdel State: NJ ZIP: 07733-3030

## 6. Total number of applications and patents involved: 1

## 7. Total fee (37 CFR 3.41) \$40.00

☐ Enclosed

☒ Authorized to be charged to deposit account.

## 8. Deposit account number: 12-2325

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Stephen M. Gurey

Name of Person Signing

Stephen M. Gurey  
Signature

Nov-20, 2001

Date

Total number of pages including cover sheet, attachments, and document: 8

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignment

Washington, D.C. 20231

Case Name/No.: Bao 22-55-18-3-95-1

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, DC 20231, on 11/22/01.

Stephen M. Gurey  
Signature

Z. Ba 22-55-18-3-95-1

### **ASSIGNMENT AND AGREEMENT**

For value received, we, Zhenan Bao, of Jersey City in the County of Hudson and the State of New Jersey, and David John Bishop, of Summit in the County of Union and the State of New Jersey, and Robert Albert Boie, of Bridport in the County of Addison and the State of Vermont, and Dustin W Carr, of Pittstown in the County of Hunterdon and the State of New Jersey, and Edwin Arthur Chandross, of Murray Hill in the County of Union and the State of New Jersey, and Peter Kian-Hoon Ho, of North Plainfield in the County of Somerset and the State of New Jersey, hereby sell, assign and transfer to Lucent Technologies Inc., a corporation of the State of Delaware, having an office at 600 Mountain Avenue, Murray Hill, New Jersey, 07974-0836, U.S.A. and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to **Optically Controlled Switches** described in an application for Letters Patent of the United States, Serial No. 09/884125, filed May 23, 2001, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to Lucent Technologies Inc. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize Lucent Technologies Inc. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Lucent Technologies Inc. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to Lucent Technologies Inc. in the United States and in all countries foreign to the United States, or to such nominees as Lucent Technologies Inc. may designate.

We agree that, when requested, we shall, without charge to Lucent Technologies Inc. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

Zhenan Bao  
Zhenan Bao

Date: 8-23-01

United States of America )

State of New Jersey ) ss.:

County of Union )

On this 23<sup>rd</sup> day of August, 2001, before me personally came, Zhenan Bao to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Camora Anne Hanna  
Notary Public

CAMORA ANNE HANNA  
Notary Public of New Jersey  
Registered in Hunterdon County  
My Commission Expires March 25, 2003

  
\_\_\_\_\_  
David John Bishop

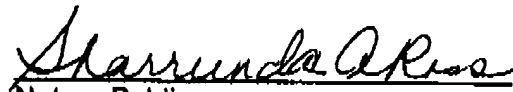
Date: 10-22-01

United States of America )

State of New Jersey ) ss.:

County of Essex )

On this 22<sup>nd</sup> day of October, 2001, before  
me personally came, David John Bishop to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged  
execution of the same.

  
\_\_\_\_\_  
Notary Public

SWORN TO AND SUBSCRIBED  
BEFORE ME ON THIS DATE

OCT 22 2001

SHARRONDA A. ROSS  
Notary Public of New Jersey  
Commission Expires 8/1/2006

  
Robert Albert Boie

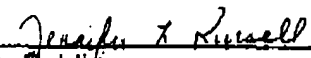
Date: 8/30/01

United States of America )

State of Vermont ) ss.:

County of Addison )

On this 30<sup>th</sup> day of August, 20 01, before me personally came, Robert Albert Boie to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Public 2/10/03

  
Dustin W Carr

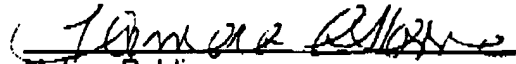
Date: Feb 24, 2001

United States of America )

State of New Jersey ) ss.:

County of Union )

On this 24<sup>th</sup> day of August, 2001, before me personally came, Dustin W Carr to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Public

TAMARA ANNE HANNA  
Notary Public of New Jersey  
Registered in Hunterdon County  
My Commission Expires March 25, 2002



Edwin Arthur Chandross  
Edwin Arthur Chandross

Date: 23 August 2007

United States of America )

State of New Jersey ) ss.:

County of Union )

On this 23<sup>rd</sup> day of August, 2007, before me personally came, Edwin Arthur Chandross to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Tamara Hanna  
Notary Public

TAMARA ANNE HANNA  
Notary Public of New Jersey  
Registered in Hunterdon County  
My Commission Expires March 25, 2011

  
\_\_\_\_\_  
Peter Kian-Hoon Ho

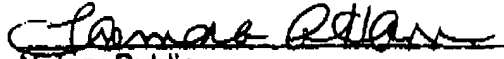
Date: 8-23-01

United States of America )

State of New Jersey ) ss.:

County of Union )

On this 23<sup>rd</sup> day of August, 2001, before me personally came, Peter Kian-Hoon Ho to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
\_\_\_\_\_  
Notary Public

ANNE HANNA  
Notary Public of New Jersey  
Registered in Hunterdon County  
My Commission Expires March 25, 2002

Lucent Technologies Inc.  
Docket Administrator (Room 3C-512)  
Lucent Technologies Inc.  
101 Crawford Corner Road  
Holmdel, NJ 07733-3030

JAN 15 2002

**IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE**

**Declaration and Power of Attorney**

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## IN THE UNITED STATES

## PATENT AND TRADEMARK OFFICE

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 Patent Applicant: Martin I. Finston (Reg. No. 31613)  
 Inventor(s): Barry H. Freedman (Reg. No. 26166)  
 John A. Garcelan (Reg. No. 37138)  
 Jimmy G. Boie (Reg. No. 36528)  
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 Matthew J. Hodulik (Reg. No. 36164)  
 Peter Kuan-Hoon Ho (Reg. No. 30711)  
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 Case: Michael B. Johannesen (Reg. No. 39260)  
 Irena Lager (Reg. No. 41170)  
 Serial No: John B. MacIntyre (Reg. No. 34866)  
 Christopher N. Malvone (Reg. No. 42854)  
 Filing Date: John F. McCabe (Reg. No. 28975)  
 Michael A. Morra (Reg. No. 41209)  
 Examiner: Gregory J. Murgia (Reg. No. 35309)  
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 Title: Bruce S. Schneider (Reg. No. 36698)  
 Ozer M. N. Teitelbaum (Reg. No. 36304)  
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 ASSISTANT COMMISSIONER FOR PATENTS  
 WASHINGTON, D. C. 20231

Please address all correspondence to the Docket Administrator (Rm. 3J-219), Lucent Technologies Inc., 101 Crawford's Corner Road, Holmdel, New Jersey 07733-3030. Telephone calls should be made to John F. McCabe by dialing 908-582-6866.

Please charge the amount of \$400.00 to Lucent Technologies Deposit Account No. 12-2325 to cover the fee for an extension of time for a period of two (2) months for filing a Response to the Notice to File Missing Parts of Nonprovisional Application dated July 23, 2001, in the above identified application.  
 Full name of 1st joint inventor: Zhenan Bao  
 Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence: Jersey City, Hudson County, New Jersey

In the event of any non-payment or improper payment of a required fee, the Commissioner is authorized to charge Lucent Technologies Deposit Account No. 12-2325 as required to correct the deficiency.

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Full name of 2<sup>nd</sup> inventor: David John Bishop

Inventor's signature \_\_\_\_\_ Date 11/2/01

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Citizenship: United States of America

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 Summit, New Jersey, 07901

Date: \_\_\_\_\_

Docket Administrator (Room 3J-219)  
 Lucent Technologies Inc.  
 101 Crawford's Corner Road  
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 Date: 11/2/01

Full name of 3<sup>rd</sup> inventor: Robert Albert Boie

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Full name of 4<sup>th</sup> inventor: Dustin W. Carr

Inventor's signature  Date 11-20-01

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Full name of 5<sup>th</sup> inventor: Edwin Arthur Chandross

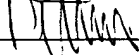
Inventor's signature Edwin Arthur Chandross Date 6 Nov 2001

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Citizenship: United States of America

Post Office Address: 14 Hunterdon Boulevard  
Murray Hill, New Jersey, 07974

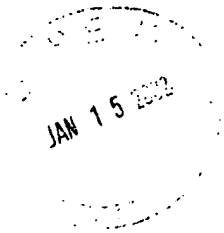
Full name of 6<sup>th</sup> inventor: Peter Kian-Hoon Ho

Inventor's signature  Date 14 Nov 2001

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North Plainfield, New Jersey, 07060



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IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE

Declaration and Power of Attorney

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As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled **Optically Controlled Switches** the specification of which was filed on May 23, 2001 as application Serial No. 09/864125.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to in this oath or declaration.

I acknowledge the duty to disclose all information known to me which is material to patentability as defined in Title 37, Code of Federal Regulations, 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

None

I hereby claim the benefit under Title 35, United States Code, 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, 112, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

None

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint the following attorney(s) with full power of substitution and revocation, to prosecute said application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith: